As a below named inventor, I hereby declare:

that my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the invention which is the subject of an application entitled WIRELESS COMMUNICATION NETWORK MEASUREMENT DATA COLLECTION USING INFRASTUCTURE OVERLAY-BASED HANDSET LOCATION SYSTEM; said invention being described and claimed [] in the attached specification [X] in the specification of application Serial No. 10/531,042, filed April 12, 2005; that I have reviewed and understand the content of said specification including the claims; that I do not know and do not believe the said invention was ever known or used in the United States before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to said application; that I acknowledge my duty to disclose information of which I am aware which is material to patentability as defined in 37 CFR 1.56; and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States prior to said application by me or my legal representatives or assigns, except as follows:

COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED
		(day, month, year)	UNDER 35 U.S.C. 119/36
			YES X NO
WIPO	PCT/US2003/032583	16 October 2002	
			YES NO
-	e benefit under 35 U.S.C. '	119(e) of any United States	provisional application
listed below:			
U.S. Provisional Applicat	ion S.N.	_filed	
I hereby appoint	L. Lawton Rogers, III, Reg.	No. 24,302; D. Joseph Engl	ish, Reg. No. 42,514; Mark C.
Comtois Reg No 46 285	Patrick D McPherson Reg	No. 46 255 to prosecute sa	aid application and to transac

all business in the Patent and Trademark Office connected therewith and to file, prosecute and transact all business in connection with international applications directed to said invention:

Address all correspondence to:

Mark C. Comtois Duane Morris LLP

1667 K Street, N.W., Suite 700

Washington, DC 20006

Direct all telephone calls to (202) 776-7800

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

COMBINED DECLARATING AND POWER	OF ATTORNEY FOR UTILITY PATEENT A	APPLICATION ,
Joseph P. KENNEDY, Jr.	x Late 14 C	10/16/05
FULL NAME OF SOLE OR FIRST INVENTOR	SIGNATURE	DATE
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John P. CARLSON	x	
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POST OFFICE ADDRESS		



COMBINED DECLARATION AND POWER OF ATTORNEY FOR UTILITY PATENT APPLICATION

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Thomas B. GRAVELY	* Spest or	2 /4/905
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Andrew BECK	X Olufe 2 /m	10/18/13
FULL NAME OF THIRD JOINT INVENTOR, IF ANY	SIGNATURE	ĎAŤE
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21575 Lefevre Inn Drive, Ashburn, Virginia 20148		
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COMBINED DECLARATION AND POWER OF ATTORNEY FOR UTILITY PATENT APPLICATION

As a below named inventor, I hereby declare:

that my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the invention which is the subject of an application entitled <u>NETWORK OVERLAY GEO-LOCATION SYSTEM WITH SMART ANTENNAS AND METHOD OF OPERATION; said</u> invention being described and claimed [] in the attached specification [X] in the specification of application Serial No. 10/531,040, filed April 12, 2005; that I have reviewed and understand the content of said specification including the claims; that I do not know and do not believe the said invention was ever known or used in the United States before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months prior to said application; that I acknowledge my duty to disclose information of which I am aware which is material to patentability as defined in 37 CFR 1.56; and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States prior to said application by me or my legal representatives or assigns, except as follows:

OUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119/36
WIPO	PCT/US2003/032583	16 October 2002	YES X NO_
			YESNO

listed Delow:	·	•
U.S. Provisional Application S.N.	filed	·
I hereby appoint L. Lawton Rogers, III, Reg.	No. 24,302; D. Joseph English, Reg. No. 42,514; Ma	ırk C.
Comtois, Reg. No. 46,285; Patrick D. McPherson, Reg.	No. 46,255 to prosecute said application and to to	ransact
all business in the Patent and Trademark Office conn	ected therewith and to file, prosecute and transact	t all

I hereby claim the benefit under 35 U.S.C. '119(e) of any United States provisional application

Address all correspondence to:

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1667 K Street, N.W., Suite 700
Washington, DC 20006

Direct all telephone calls to (202) 776-7800

business in connection with international applications directed to said invention:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

	COMBINED DECLARATION AND POWI	ER OF ATTORNEY FOR UTILITY PATIENT A	APPLICATION ,
- 60	Joseph P. KENNEDY, Jr.	· · · · · · · · · · · · · · · · · · ·	10/10/05
	FULL NAME OF SOLE OR FIRST INVENTOR	SIGNATURE	DATE
	Great Falls, Virginia VA	USA	
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· 7 _ ~~	Thomas D. CD AVELV	* * * * * * * * * * * * * * * * * * *	1 Idiolos
2 - 600	Thomas B. GRAVELY FULL NAME OF THIRD JOINT INVENTOR, IF ANY	SIGNATURE	DATE
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